Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION

Attorney Docket No.		No.	4041J-000799			
First Inventor Ets			uhisa YAMADA et al			
Title	Refriger	ant Cy	ycle System			

TRANSMITTAL

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. Specification (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description ADDRESS TO: Commuter Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R.§3.73(b) Statement Power of (when them is an assignmen)								
1.								
or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Qrawings (if filed) - Detailed Description ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R.§3.73(b) Statement Power of								
- Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Brief Description 9.								
- Claim(s) - Abstract of the Disclosure (when there is an assignee) Attorney 11. English Translation Document (if applicable)								
4. Drawing(s) (35 U.S.C.113) [Total Sheets 15] 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations								
a.								
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) Of prior application No: Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.								
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
17. CORRESPONDENCE ADDRESS								
☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☐ Correspondence address below								
Name Harness, Dickey & Pierce, P.L.C.								
Address P.O. Box 828								
City Bloomfield Hills State MI Zip Code 48303								
Country United States of America Telephone 248-641-1600 Fax 248-641-0270								
Name (Print/Type) Michael J. Schmidt, Esq. Registration No. (Attorney/Agent) 34,007								
Signature Date October 30, 2003								

PTO/SB/17 (01-03)

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FEE TO ANOMITTAL	Complete if Known						
FEE TRANSMITTAL	Application Number	To be assigned					
for FY 2004	Filing Date	October 30, 2003					
	First Named Inventor	Etsuhisa YAMADA et al					
Patent fees are subject to annual revision.	Examiner Name						
☐ Applicant claims small entity status. See 37 CFR 1.27	Art Unit						
TOTAL AMOUNT OF PAYMENT (\$) 770	Attorney Docket No.	4041J-000799					

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)							
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None					3. ADDITIONAL FEES							
Order						Large Entity Small Entity						
Deposit Account:						Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Deposit		1051	130	2051	65	Surcharge - late filing fee or oath						
Number						1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit						1053	130	1053	130	Non-English specification		
Account Harness, Dickey & Pierce, P.L.C.						1812	2,520	1812	2,520	For filing a request for reexamination		
Name					1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action			
The Director is authorized to: (check all that apply) ☐ Charge fee(s) indicated below ☑ Credit any overpayments ☑ Charge any additional fee(s) during the pendency of this application					,	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
☐ Charge	fee(s)	indicated be	elow, e	xcept for the			1251	110	2251	55	Extension for reply within first month	
to the abo	ve-iden	tified deposi	it accou	unt.			1252	420	2252	210	Extension for reply within second	
		FE	E CAL	CULATION			4050		2050	475	month	
1. BA	SIC FIL	ING FEE					1253	950	2253	475	Extension for reply within third month	<u> </u>
Large Enti Fee		Small Entity	-	e Descriptio	n		1254	1,480	2254	740	Extension for reply within fourth month	
		Code (\$)	, <u>16</u>	e Descriptio	<u>''</u> Fee Paid		1255	2,010	2255	1,005	Extension for reply within fifth month	
		2001 385	5 Ut	ility filing fee	770	7 I	1401	330	2401	165	Notice of Appeal	
1002	340	2002 170		esign filing fee		1	1402	330	2402	165	Filing a brief in support of an appeal	
1003	530		3					290	2403	145	Request for oral hearing	
1004	770	2004 385 Reissue filing fee					1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2005 80 Provisional filling fee						J	1452	110	2452	55	Petition to revive – unavoidable	
SUBTOTAL (4)						- I	1453	1,330	2453	665	Petition to revive – unintentional	
SUBTOTAL (1) (\$) 770						_	1501	1,330	2501	665	Utility issue fee (or reissue)	
2. EXTRA	CLAIN	/ FEES					1502	480	2502	240	Design issue fee	
					Fee from Fee		1503	640	2503	320	Plant issue fee	
Total Claims	19	-20 **	= [pelow Paid = 0	- I	1460	130	1460	130	Petitions to the Commissioner	
Independent	<u> </u>	== **		<u></u>		٦ ١	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
Claims	2	-3 **	= 0	× [= 0	┚┃	1806	180	1806	180	Submission of Information Disclosure Stmt	
Multiple Dependent				x [= 0]	8021	40	8021	40	Recording each patent assignment per property (times number of	
Large Enti		Small E					4000	770	2000	205	properties)	\vdash
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Descri			1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1202	18	2202	9	Claims in e			1810	770	2810	385	For each additional invention to be	
1201	86	2201	43		nt claims in excess of 3						examined (37 CFR § 1.129(b))	\vdash
1203	290	2203	145	•	pendent claim, if not pai independent claims ove		1801	770	2801	385	Request for Continued Examination (RCE)	
1204	86	2204	43	original pat	ent		1802	900 l	1802	900	Request for expedited examination of a design application	
1205	18	2205	9	over origina	claims in excess of 20 a al patent	1110	Oth *	n (n===="	. .\			
CURTOTAL (A)					otner fe	e (speci	ıy)	•				
SUBTOTAL (2) (\$) 0						*D-4 :		!- Filt		CURTOTAL (B)		
\						reduc	ea by Ba	asic Filing	ree Pa	aid SUBTOTAL (3) (\$) 0		
**or num!	**or number previously paid, if greater; For Reissues, see above				- 1							

SUBMITTED BY		Co	omplete (if applicable)			
Name (Print/Type)	Michael J. Schmidt, Esq.	Registration No. Attorney/Agent)	34,007	Telephone	248-641-1600	
Signature	Ma	1 hours	4	Date	October 30, 2003	